

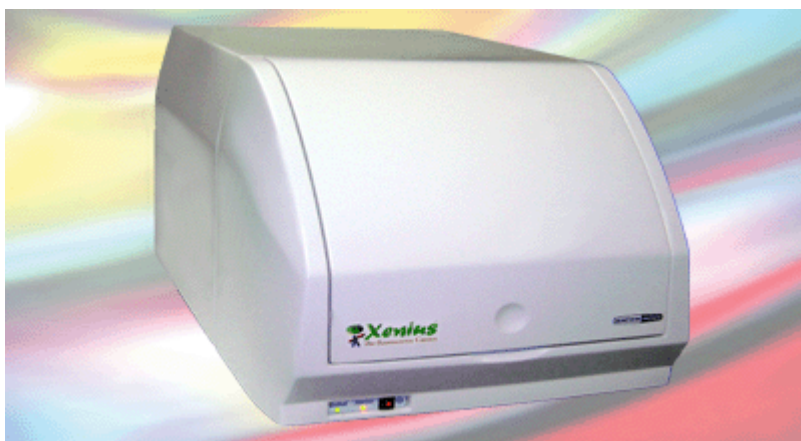


TECHNOLOGICAL LEADER IN SPECTROSCOPY SINCE 1952

... YOUR ANALYSIS DESERVE OUR PERFORMANCES

## Luminometer for microplates SAFAS Xenius XL: outstanding sensitivity and dynamic range, unique evolutivity

SAFAS Xenius XL is a microplate reader in luminescence, with outstanding sensitivity, with a ultra-high speed photon counting photomultiplier (up to 70 Mcps), and single photon counting capability. Measurements are directly achieved without fiber optics (100% air technology), with up to 15 injectors. A spectrum of bioluminescence can even be drawn up to 1000nm (option). It is evolutive and can receive later a monochromator for Absorbance, a second monochromator for Fluorescence, a cuvette holder for 10 cuvettes, polarizers, etc...



### An evolutive LUMINOMETER with outstanding performances

SAFAS Xenius XL is a microplate luminometer with exceptional performances and evolutivity. Based on innovative technologies and superb optics, it is fitted with a 100% AIR technology (no fiber optics) and a high sensitivity photon counting photomultiplier, able to count from single photon up to 70 Mcps.

It features a very low cross-talking (typically 10-5 on 96 wells microplates), and is able to inject 2 different reagents in measurement position.

The luminometer Xenius XL can also achieve bioluminescence spectra on each individual well, with

automatic data processing, as well as in cuvettes (option). With a scan speed up to 7000nm/minute, it is also fitted with many automatic data processing functions (depending on options).

In 1959, SAFAS introduced the world's 1st spectrofluorometer fitted with 2 grating monochromators: it was a major breakthrough in spectroscopy. Today, the Xenius is a new breakthrough, bringing to science as much as had been bringing the Spectralux in 1959.

### Many options are available

Xenius XL can be fitted with temperature controlled holders, make fast or long kinetics, work up to 10 different wavelengths of bioluminescence, inject during analysis (up to 15 injectors, and up to 75 injection areas), or be fitted with automatic polarizers for fluorescence anisotropy. It can achieve Absorbance spectra, and several specialized software can be added.

### An evolutivity unique on the market

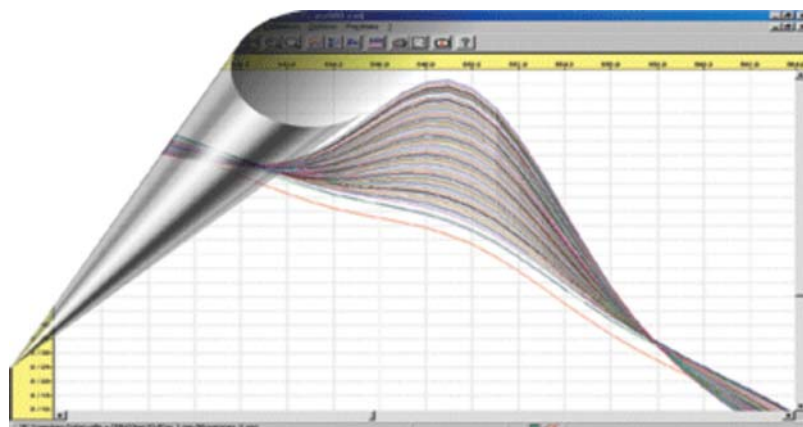
The microplate luminometer SAFAS Xenius XL is evolutive, and can receive one or two monochromators for Absorbance and fluorescence, fiber optics for in situ measurements, polarizers, etc... All the options can be mounted simultaneously and don't require any desmantling.

### Exceptionally powerful software

Last but not least, the software are intensively developed by SAFAS since 1988, when SAFAS introduced the world's first PC controlled spectrophotometer, button free.

Since then, all our customers have profited by our policy of free software update for instrument's life, making their investment a very long term one and avoiding obsolescence of their equipment.

Among many possibilities, our multiwavelength module for series of samples, our intracellular ions module, and our 3D spectra module are among the most impressive.



*Nota:*  
 -most of the possibilities described hereunder are optional: please ask us  
 -for software updates, a participation to CD and shipment is requested

### MAIN FEATURES (depending on options)

|                              |  |
|------------------------------|--|
| <b>spectral range</b>        | 200 to 650nm in photon counting direct bioluminescence, 200 to 1000nm for bioluminescence spectra  |
| <b>cross talking</b>         | about 10 <sup>-5</sup> on a 96 well microplate   |
| <b>bioluminescence scan</b>  | up to 7000 nm/minute (optional)  |
| <b>bandwidth</b>             | with optional spectra: fixed, or optionally continuously variable from 2 to 20nm   |
| <b>analytical techniques</b> | Luminescence, optional: Absorbance, Fluorescence, Anisotropy   |
| <b>kinds of samples</b>      | microplates (without fiber optics, 100%air technology), and optionally: cuvettes, measurements in situ with fiber optics, dewar for low temperatures, integrative sphere, etc... |

SAFAS - MANUFACTURER OF SPECTROPHOTOMETERS (UV, VISIBLE, ATOMIC ABSORPTION, INFRA-RED, FLUORESCENCE), SPECTROFLUOROMETERS, LUMINOMETERS, MULTIDETECTION MICROPLATE READERS, ELISA, ANALYZERS

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